HP Designjet 130 Series Printers

Printers for creative professionals—the affordable HP Designjet 130 multi-format printing systems create fade-resistant, photo-quality images with consistent colors for professional photos, prints and proofs.

Color images that last

- **Fade-resistant, photo-quality images.** The HP Designjet 130 Series printing systems bring impressive photo quality to your images. New inks, designed together with HP Premium Plus Photo and HP Proofing Gloss papers, produce images that resist fading longer than traditionally processed photos.[1]
- **Rich color depth, minimal dot visibility and uniform gloss.** A six-ink writing system combines HP color layering technology, 2400 dpi maximum resolution and a four-picoliter ink drop size for fine details, smooth tonal transition, a wide range of colors and gloss uniformity.

Reliable color

- **See reliable, consistent color from print to print.** The HP Designjet 130 Series printers feature automatic closed-loop color calibration to provide consistent color, print to print and printer to printer.
- **Full color workflow support.** Optimized Macintosh and Windows® drivers provide key features for creative professionals, including RGB ICC profiles and full Apple ColorSync support. Optional Adobe® PostScript® 3™ software RIPs provide robust color management and proofing options for the CMYK workflow.

Postcards to posters

- **Ideas big and small—no more cutting and pasting.** The standard tray holds up to 100 sheets as small as a postcard or as big as a poster (18 x 24 in). Extra-wide front and rear paths allow oversize output up to 24 x 64 in; automatic roll-feed (optional on the 130) supports printing up to 24 in x 50 feet and allows you to switch between loaded media options without intervention.
- **Media that shows off your ideas.** The HP Designjet 130 Series printers can handle stock in weights up to 80 lb, as well as thick or rigid media (up to .015 in). Choose from a variety of media finishes, including gloss, satin and matte.

Time to design

- **See results and get client approval fast.** Print up to 4 mpp for B size and up to 12 mpp for a 2 x 3 ft image in Normal mode, with fast color stability. Proofs and prints can be reviewed and approved in real time.
- **More time creating.** In-house printing for oversize output eliminates delays and shortens project timelines. Reliable, modular HP ink cartridges and printheads require minimal user intervention and infrequent maintenance—further enhancing cost-effectiveness and efficiency.

[1] Preliminary results from tests conducted by Wilhem Imaging Research, Inc. indicate that prints made with HP 85 ink cartridges and HP Premium Plus Photo and HP Proofing Gloss paper may be displayed indoors under glass for approximately 70 years before noticeable fading and staining will occur. See www.wilhelm-research.com for details.

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HP Designjet 130 Series Printers

1. LCD printer status indicator for ink supply maintenance and print message alerts

2. Media tray holds up to 100 sheets of standard-size media (up to 18 x 24 in)

3. Front bypass slot accommodates cut-sheet media up to 24 inches

4. Small footprint allows placement of printer on tabletop or in common work area

5. USB and parallel connections plus network capability (standard on 130nr) ensure easy system integration

6. Rear bypass slot handles heavy and rigid media of weights up to 80 lb (300 g/m^2)

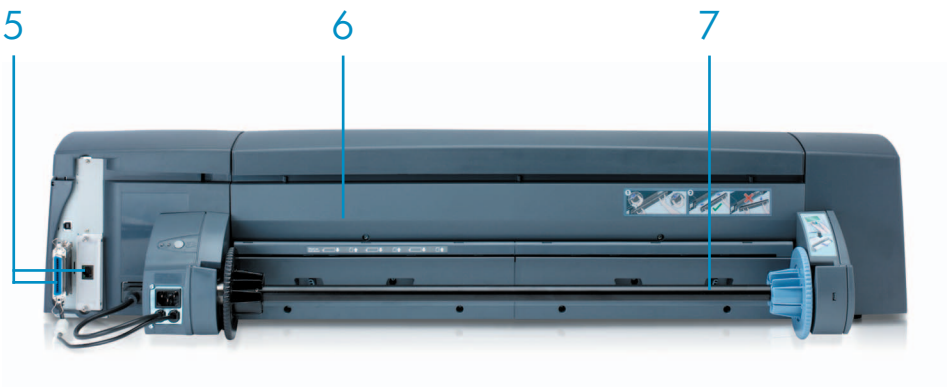
7. Automatic roll feed (optional on the HP Designjet 130) feeds rolls up to 24 inches in width

Internal color sensor for color consistency

Fade-resistant inks with 4 pl drop size for fade-resistant, photo-quality images

Modular ink system with six independently replaceable ink cartridges allows you to replace only the ink colors you need

HP Designjet 130 front shown



HP Designjet 130nr rear shown

Series at a glance

HP Designjet 130

- 100-sheet input tray for sheets up to 18 x 24 in
- Slot for single sheets up to 24 x 64 inches
- One open EIO slot for optional network connectivity

HP Designjet 130nr

All the features of the 130 model, plus:

- Automatic roll feed for printing up to 24 inches x 50 feet
- HP Jetdirect 620n internal EIO print server

Optional accessories

- HP Software RIP for HP Designjet 130
- EFI Designer Edition 4.0 for HP XL
- Printer stand and media bin
- Automatic roll feed (standard on HP Designjet 130nr)
- Additional roll-feed spindle

As a creative professional, you need more than reliability, performance and value. Your world is all about color. That's why HP has implemented technologies and solutions that deliver the color quality, consistency and control you need for a superior color experience.

Color solutions for your workflow
RGB or CMYK. Printing or proofing. Pleasing color or accurate color. With the HP Designjet 130 printing system, you can choose the solution that best fits your needs, your workflow and your environment.

HP Designjet 130 drivers
Optimized Mac and Windows drivers deliver outstanding color output for photographers or designers printing images in an RGB workflow. Support for RGB ICC profiles means you have the choice of managing color in the applications or via ICM profile or ColorSync tools. The drivers also allow you to balance color channels individually when you need one last tweak.

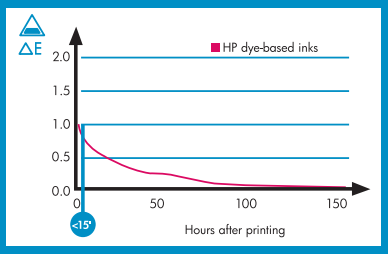
HP Software RIP
Designed for creatives who need color management in a CMYK workflow, this optional RIP adds the capabilities designers need to generate accurate layouts, comps or concept proofs that integrate images with text, logos or illustrations. A true Adobe PostScript 3 solution, the RIP offers complete ICC profile management, including input and output profiles, as well as automatic PANTONE®[2] calibration to easily and accurately print corporate or specific colors.

EFI Designer RIP for HP XL
This EFI solution is ideal for agencies and service bureaus whose workflow requires incremental production, color management or proofing capabilities. It offers in-RIP separations for the composite workflow, as well as the ability to define non-standard spot colors. It also offers job management tools including job ticket and control strip ability as well as job nesting for paper savings. You can easily emulate offset presses or other printing devices via ICC profiles, and CMYKplus support allows you to produce images perceptually consistent with offset output, but with the richer and more vibrant colors possible with a digital printer.

Third-party RIPs
HP has worked with virtually all the leading RIP vendors in digital photography, large-format printing and pre-press proofing fields to ensure you can choose the solution that best matches your color workflow.

Color technology by HP

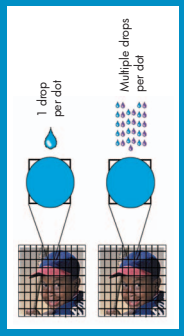
Inks and media deliver fade resistance and stability
New, dye-based inks, combined together with HP papers, produce images that stabilize in minutes vs. hours and last for years. HP inks, media and printers are designed together for results that do justice to your ideas.



HP Designjet 130 Series printers
(using HP Proofing Semi-Gloss Paper)

HP color layering technology
Like artists creating new colors by mixing the standard paints on their palettes, multi-layering technology uses the basic CMYKcm palette to achieve a much broader range of printable colors.

By layering ultra small (4 pl) drops within a single dot, HP Designjet 130 printers produce smoother gradations between tones for virtually grain-free images.



Automatic color calibration
The automatic closed-loop color (CLC) calibration process enables consistent and accurate color reproduction.

The CLC process is based on measuring, via a color sensor, reflected energy from primary color tiles that are illuminated with a narrow-bond light source. The process works in much the same way as a classical densitometer. The printer generates a target, scans the pattern and adjusts based on the results.

[2] Pantone, Inc.'s check-standard trademark for color.

HP Designjet 130 Series Printers

Technical specifications	HP Designjet 130 (Product number: C7791C)	HP Designjet 130nr (Product number: C7791D)
Print speed, using N5 file	B size: up to 4 min/page (Normal, glossy); B size: up to 6 min/page (Best, glossy) D size: up to 11.9 min/page (Normal, glossy); D size: up to 17.5 min/page (Best, glossy)	
Resolution, maximum	Up to 2400 x 1200 dpi	
Print margins (B-size)	Top: 0.2 in; bottom: 0.47 in; left: 0.2 in; right: 0.2 in	
Memory	64 MB	
Media		
Media handling	100-sheet input tray (for sheets up to 18 x 24 in); front bypass single sheet feed up to 24 x 64 in; rear bypass single sheet feed up to 24 x 64 in	100-sheet input tray (for sheets up to 18 x 24 in); front bypass single sheet feed up to 24 x 64 in; rear bypass single sheet feed up to 24 x 64 in; automatic 24 in roll feed with automatic cutter
Types	Plain, coated, glossy and heavyweight paper; transparencies	
Weight (by paper path)	Tray 1: 17 to 40 lb; manual single-sheet feed: 17 to 40 lb; rear path: up to 80 lb	Tray 1: 17 to 40 lb; manual single-sheet feed: 17 to 40 lb; rear path: up to 80 lb; roll feed: 17 to 40 lb
Thickness (by paper path)	Tray 1: up to 0.008 in, envelopes: up to 0.015 in; rear tray: up to 0.015 in; manual sheet feed: up to 0.008 in	Tray 1: up to 0.008 in, envelopes: up to 0.015 in; rear tray: up to 0.015 in; manual sheet feed: up to 0.008 in; roll media: up to 0.008 in
Media size	Postcards, letter, legal, tabloid, executive, C, D, D+, envelopes, banners	
Printing		
Print technology	HP Thermal Inkjet	
Print technology resolution	HP color layering technology, PhotoREt IV	
Print cartridge colors	Black, cyan, magenta, yellow, light cyan, light magenta	
Ink types	Fade-resistant dye-based	
HP Professional Color technologies	Automatic color calibration, automatic PANTONE® calibration, offset simulation and CMYKplus	
Connectivity		
Interfaces	Standard: USB 1.1 (USB 2.0 compliant), Centronics parallel IEEE-1284 (ECP compliant), 1 EIO slot; optional: HP Jetdirect 620n, 680n, 610n, 600n, 175x, 310x, 380x	USB 1.1 (USB 2.0 compliant), Centronics parallel IEEE-1284 (ECP compliant), 1 EIO slot, HP Jetdirect 620n
Languages	Standard: PCL3-GUI RGB 24-bit Contone; optional: Adobe PostScript 3 via software RIP	
Drivers (included)	Raster driver for Mac OS (9.x, X.1, X.2, X.3), PCL3-GUI Windows driver, Microsoft® Windows drivers (95, 98, Me, NT 4.0, 2000, XP) including support for AutoCAD 2000, USB, ECP drivers	
Standard operating systems	Microsoft Windows NT 4.0 Server, 2000 Server, XP; Mac OS 9.1, 9.2, X.2, X.3	
Network operating systems	Microsoft Windows XP, NT 4.0 Server, 2000 server, 2002 server; Novell; Mac OS	
Recommended system requirements	**Windows:** Microsoft Windows (95, Me): Pentium® II, 300 MHz, 128 MB RAM, 1 GB available hard disk space; Microsoft Windows NT®: Pentium III, 733 MHz, 128 MB RAM, 2 GB available hard disk space; Microsoft Windows 2000: Pentium III, 733 MHz, 256 MB RAM, 2 GB available hard disk space; Microsoft Windows XP: Pentium IV, 1 GHz, 256 MB RAM, 2 GB available hard disk; **Mac:** Dual 1 GHz PowerPC G4, 512 MB RAM	
Dimensions		
Printer	41.3 x 15.7 x 8.7 in	41.3 x 20.5 x 8.7 in
Maximum	41.3 x 31.5 x 8.7 in	41.3 x 36.2 x 8.7 in
Shipping	47 x 21.5 x 19.5 in	47 x 21.5 x 19.5 in
Weight		
Printer	48.5 lb	50.7 lb
Shipping	74.6 lb	75.7 lb
What's in the box	HP Designjet 130 printer, power cord, USB cable, printheads (6), print cartridges (6), input/output tray, macroinstaller, user documentation CD, setup poster, Quick Start Guide, media samples, customer care document	HP Designjet 130nr printer, automatic roll feed, HP Jetdirect 620n LAN card, power cord, USB cable, printheads (6), print cartridges (6), input/output tray, macroinstaller, user documentation CD, setup poster, Quick Start Guide, media samples, customer care document

Environmental ranges	
Operating temperature:	41 to 104° F (5 to 40° C)
Recommended operating temperature:	59 to 95° F (15 to 30° C)
Storage temperature:	-4 to 131° F (-20 to 55° C)
Operating humidity:	20 to 80% RH
Recommended humidity:	25 to 75% RH
Storage humidity:	0 to 95% RH
Acoustics	
Sound pressure:	50 dB(A)
Sound pressure, standby:	37 dB(A)
Sound power:	6.2 B(A)
Sound power, standby:	5.4 B(A)
Power requirements	
Input voltage:	100 to 240 VAC (± 10%), 50/60 Hz (± 3Hz), 2 amps maximum
Power consumption	
Maximum:	65 watts
Standby:	22 watts
Power certification	
Safety certifications:	IC 950-compliant, EU LVD and EN60950 compliant, CSA certified for US and Canada
Electromagnetic compatibility:	Compliance for Class B products, Class A when connected to LANs, EU (EMC Directive), USA (FCC rules), Canada (DoC)
ENERGY STAR® compliant	
Warranty	One-year warranty

Ordering information

Product number	HP product
C7791C	HP Designjet 130
C7791D	HP Designjet 130nr
Supplies and accessories	
Q1246A	HP Designjet printer stand & media bin
Q1264A	Spindle
Q1247A	Automatic roll feed (130 model only)
Ink supplies	
C9420A	HP 85 cyan printhead
C9421A	HP 85 magenta printhead
C9422A	HP 85 yellow printhead
C9423A	HP 85 light cyan printhead
C9424A	HP 85 light magenta printhead
C5019A	HP 84 black printhead
C9425A	HP 85 cyan ink cartridge
C9426A	HP 85 magenta ink cartridge
C9427A	HP 85 yellow ink cartridge
C9428A	HP 85 light cyan ink cartridge
C9429A	HP 85 light magenta ink cartridge
C5016A	HP 84 black ink cartridge
Media[3]	
Q5492A	HP Photo Matte B+, 50 sheets
Q5486A	HP Premium Plus Photo and Proofing Gloss B+, 25 sheets
Q5487A	HP Premium Plus Photo and Proofing Gloss C+, 20 sheets
Q5488A	HP Premium Plus Photo and Proofing Gloss, 24" roll, 50 ft
Q5489A	HP Premium Plus Photo Satin B+, 25 sheets
Q5490A	HP Premium Plus Photo Satin C+, 20 sheets
Q5491A	HP Premium Plus Photo Satin, 24" roll, 50 ft
Network and software	
J7934A	HP Jetdirect 620n LAN card (130 model only)
Q6643A	EFI Designer Edition 4.0 for HP XL

[3] For a complete list of all media that work with the HP Designjet 130 series printers, please take a look at www.hp.com/media.

HP recommends Microsoft® Windows® XP Professional for mobile computing.

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